

## **INSTRUCTION: INJ-FC, FLOW CHECKER**

The Flow Checker simulates a Water Injector System and shows the water pressure while it is in use. It comes with three caps with precision drilled holes calibrated to simulate the flow required by 12-cell, 18-cell, and 24-cell Water Injector Systems. A pressure gauge displays the dynamic pressure, which is needed to qualify the water supply being tested. The output pressure from the water source must consistently provide 25 to 35 psi at 8 to 10 gallons per minute for use with the Water injector System. The Flow Checker attaches instantly to any water supply with a female quick-disconnect fitting.

### **Testing the Output of a water source for the INJ-DF, Direct Fill:**

1. Select the cap that simulates the battery type, for example, 24-cells, and attach it to the Flow Checker.
2. Attach the Flow Checker to the water source with the quick-connects provided.
3. Turn on the water and check the pressure reading on the gauge. If the reading is 25 psi or better, the water source has adequate supply for a Direct Fill. Water pressure may vary widely during the day due to consumption from other sources.
5. If the pressure is below 25 psi, check for debris blocking the pressure regulator & if so, rinse it out under a faucet.
6. If the pressure is still below 25 psi, call the factory for assistance.

### **Testing the Output of Injector Water Supplies:**

1. Select the 18-cell simulator cap and attach it to the Flow Checker.
2. Snap the Flow Checker into the quick-connect on the end of the tank hose.
3. Aim the Flow Checker output into the tank, through the filling hole, and open the on/off valve. The pressure on the gauge should read 25 psi or more if the tank is putting out enough water.
4. If the water supply is marginal, use multiple strings instead of one. For example, run two 9-cell Injector Systems instead of one 18-cell Injector System.
5. If the pressure is below 25 psi, check for any loose wire connections for the pump.
6. If the pressure is still below 25 psi, call the factory for assistance.